

Please amend the claims as follows:

Claim 1 (currently amended): A method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse , which comprises transferring a first recombinant DNA in which a first promoter, a gene having recombinase recognition sequences on both ends, and a fluorescence protein gene of a target cell differentiated from an embryonic stem cell strongly expressed by the said first promoter are arranged in this order from a 5' side, and the first promoter makes the fluorescence protein gene express, and a second recombinant DNA in which a second promoter specifically expressing in a target cell differentiated from an embryonic stem cell, and a recombinase-expressing gene are arranged in this order from a 5' side, respectively, with an adenovirus vector as an episomal form into an embryonic stem cell.

Claim 2 (previously presented): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the recombinase recognition sequence is loxP.

Claim 3 (previously presented): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, where the first promoter is a constitutive strong expression promoter.

Claim 4 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 3, wherein the constitutive strong expression promoter is ~~a CMV promoter or a CA~~ promoter.

Claim 5 (canceled)

Claim 6 (previously presented): The method for selectively isolating or visualizing a target cell in vitro differentiated from a embryonic stem cell of human, monkey or mouse according to claim 1, wherein the recombinase-expressing gene is a recombinase Cre-expressing gene.

7. The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the second promoter is a Nkx2.5 gene promoter ~~or an α -MHC gene promoter.~~

Claims 8-13 (canceled)

Claim 14 (original): An embryonic stem cell in which the first recombinant DNA as defined in claim 1 is transferred.

Claim 15 (original): The embryonic stem cell in which the second recombinant DNA as defined in claim 1 is transferred.

Claim 16 (original): The embryonic stem cell in which the first recombinant DNA and the second recombinant DNA as defined in claim 1 are transferred, respectively.

Claim 17 (original): The embryonic stem cell according to any one of claim 14 to claim 16, wherein the embryonic stem cell is derived from a mouse.

Claim 18 (currently amended): An adenovirus vector for transferring a gene, which comprises the first recombinant DNA as defined in claim 1.

Claims 19-20 (canceled)

Claim 21 (currently amended): An adenovirus vector for transferring a gene, which comprises the second recombinant DNA as defined in claim 1.

Claims 22-23 (canceled)

Claim 24 (currently amended): A kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the adenovirus vector for transferring a gene as defined in claim 18, and the adenovirus vector for transferring a gene as defined in claim 21.

Claims 25-26 (canceled)

Claim 27 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the embryonic stem cell as defined in claim 14, and the adenovirus vector for transferring a gene as defined in claim 21.

Claims 28-29 (canceled)

Claim 30 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the adenovirus vector for transferring a gene as defined in claim 18, and the embryonic stem cell as defined in claim 15.

Claims 31-32 (canceled)

Claim 33 (previously presented): A cell obtained by the method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse as defined in claim 1.

Claim 34 (original): The cell according to claim 33, wherein the cell is a cell obtained by using a Nkx2.5 gene promoter as the second promoter.

Claim 35 (canceled)

Claim 36 (original): A tissue, which comprises the cell as defined in claim 33.

Claims 37-38 (canceled)